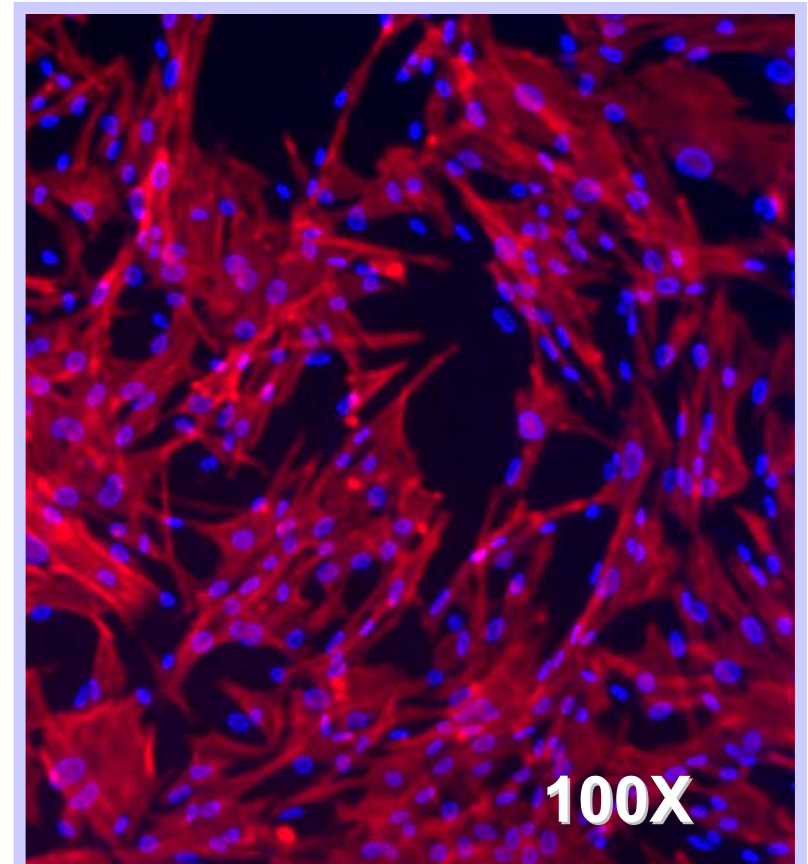
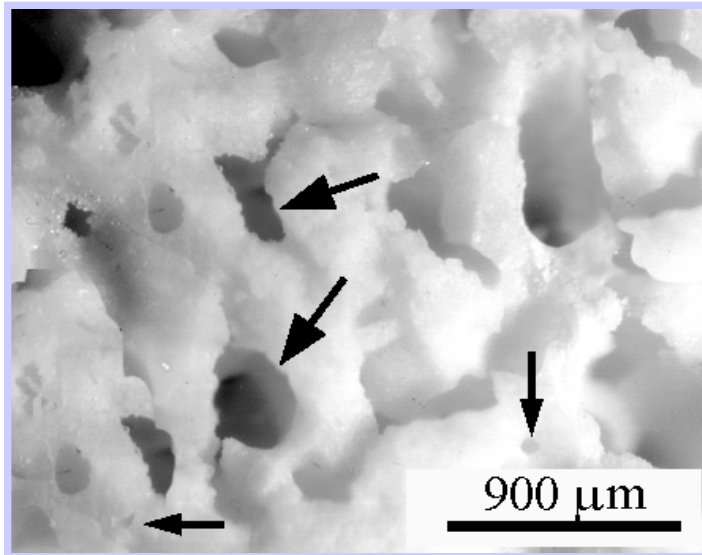


Bioactive Hydroxyapatite Whisker Composite Ceramic Bone Substitutes

MJ Baumann and LR McCabe

Michigan State University, DMR-0074439

Bone tissue engineering research showing an artificial bone scaffold (below) and the scaffold filled with bone forming osteoblast cells (right)



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Education:

Eight undergraduates (Meghan Griffin, Jill Brundirks, Tricia Pochert, Nikhil Theyyunni, Amy VanStrien, Marita Sheldon, Ellie Rahbar, Derek Baars), two graduate students (Ian Smith and Rebecca McMullen), and one postdocs (Jianwei Xie) contributed to this work. Undergraduates Sheldon and Griffin received an MSU Undergraduate Research Fellowship and Theyyunni and Rahbar are part of MSU's Honor's College. Two of these students are applying to graduate schools for 2004-05 and two are applying to Medical School for the 2004-2005 class. Smith and McMullen finished their MS degrees with Smith staying at MSU for his PhD

Outreach:

MSU Science Engineering and Technology (SET) Day introduces Engineering to area high school students

